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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : Attn: **BOX MISSING PARTS**  
Hidekazu SUZUKI et al. : Confirmation No. **4888**  
Serial No. 10/088,586 : Docket No. **2002-0384A**  
Filed March 21, 2002 : **THE COMMISSIONER IS AUTHORIZED**  
SIGNAL TRANSMITTER  
AND SIGNAL RECEIVER : **TO CHARGE ANY DEFICIENCY IN THE**  
: **Fee FOR THIS PAPER TO DEPOSIT**  
: **ACCOUNT NO. 23-0975.**

**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents,  
Washington, DC 20231

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of [X] the references listed on attached form PTO-1449 and/or [ ] the additional information identified below in paragraph 3. A legible copy of each reference listed on the form PTO-1449 and each U.S. patent application listed below is enclosed.

1a. [X] This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

**and thus no certification and/or fee is required.**

1b.  This Information Disclosure Statement is submitted  
after the events of above paragraph 1a and prior to the mailing date of a final Office Action  
or a Notice of Allowance or an action which otherwise closes prosecution in the application,  
and thus:  
(1)  the certification of paragraph 2 below is provided, **or**  
(2)  the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c.  This Information Disclosure Statement is submitted:  
after the mailing date of a final Office Action or Notice of Allowance or action which  
otherwise closes prosecution in the application, and prior to payment of the issue fee, and  
thus:  
**the certification of paragraph 2 below is provided, and**  
**the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

- a.  that each item of information contained in this Information Disclosure Statement  
was first cited in any communication from a foreign patent office in a counterpart  
foreign application not more than three months prior to the filing of the Statement,  
or
- b.  that no item of information contained in the Information Disclosure Statement was  
cited in a communication from a foreign patent office in a counterpart foreign  
application and, to the knowledge of the person signing the certification after  
making reasonable inquiry, was known to any individual designated in §1.56(c)  
more than three months prior to the filing of the Statement.

3.  Consideration of the following list of additional information (including any copending or  
abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:

- a full or partial English language translation submitted herewith,
- a foreign patent office search report (in the English language) submitted herewith,
- the concise explanation contained in the specification of the present application at page,
- the concise explanation set forth in the attached English language abstract,
- the concise explanation set forth below or on a separate sheet attached to the reference:

Japanese reference JP 6-303552 corresponds to European reference EP 598295

5.  A foreign patent office search report citing one or more of the references was previously submitted on March 21, 2002.

Respectfully submitted,

Hidekazu SUZUKI et al.

By:



Nils E. Pedersen  
Registration No. 33,145  
Attorney for Applicants

NEP/pth  
Washington, D.C. 20006-1021  
Telephone (202) 721-8200  
Facsimile (202) 721-8250  
July 9, 2002

THE COMMISSIONER IS AUTHORIZED  
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ACCOUNT NO. 23-0975

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: July 9, 2002

ATTY DOCKET NO.  
2002-0384ASERIAL NO.  
10/088,586APPLICANT  
Hidekazu SUZUKI et al.FILING DATE  
March 21, 2002

GROUP

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AF	06078280	3-18-94	Japan			Abstract
	AG	04364686	12-17-92	Japan			Abstract
	AH	06233265	8-19-94	Japan			Abstract
	AI	03107222	5-7-91	Japan			Abstract
	AJ	61269583	11-28-86	Japan			Abstract
	AK	54116834	9-11-79	Japan			Abstract
	AL	6-303552	10-28-94	Japan			X
	AM	0 598 295	5-25-94	Europe			
	AN						

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	
	AP	
	AQ	

EXAMINER

DATE CONSIDERED